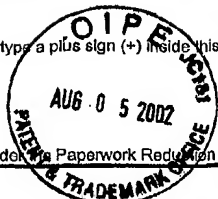


Please type a plus sign (+) inside this box



PTO/SB/06A (08-00)  
Approved for use through 10/31/2002. OMB 0851-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<b>Complete If Known</b>			
		Application Number	10/072,047		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Filing Date	February 08, 2002		
		First Named Inventor	Cox, et al.		
		Group Art Unit	1655		
		Examiner Name	Unassigned		
Sheet	1	of	3	Attorney Docket Number	UCSF-127CON

RECEIVED

AUG 08 2002

TECH CENTER 1600/2002

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Documents		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
Z		4,959,317		Sauer	09-25-1990	
		5,376,526		Brown, et al.	12-27-1994	
		5,654,182		Wahl, et al.	08-05-1997	
	9/	5,679,522		Modrich, et al.	10-21-1997	

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Documents			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>3</sup>	Kind Code <sup>6</sup> (if known)				

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
[Signature]		BISHOP, et al. "The power of identity-by-state methods for linkage analysis", <i>Am. J. Hum. Genet.</i> , (1990) Vol. 46: 254-265.	
		BROOKES, et al. "Cloning the shared components of complex DNA resources", <i>Human Molecular Genetics</i> , (1994) Vol. 3: 2011-2017.	
		CARRAWAY, et al. "Repair of heteroduplex DNA molecules with multibase loops in <i>Escherichia coli</i> ", <i>J. Bacteriology</i> , (1993) Vol. 175: 3972-3980.	
		CASNA, et al. "Genomic analysis II: Isolation of high molecular weight heteroduplex DNA following differential methylase protection and formamide-PERT hybridization", <i>Nucleic Acids Res.</i> , (1986) Vol. 14(18): 7285-7303.	
		COTTON, et al. "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations", <i>Proc. Natl. Acad. Sci. USA</i> , (1988) Vol. 85: 4397-4401.	
		DIAS, et al. "Genetic recombination as a reporter for screening steroid receptor agonists and antagonists", <i>Anal. Biochem.</i> , (1998) Vol. 258: 96-102.	

Examiner Signature		Date Considered	8/26/02
-----------------------	--	--------------------	---------

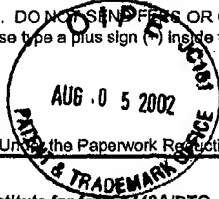
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC

20231. DO NOT SEND OFFERS OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant  
Please type a plus sign (+) inside this box →

Commissioner for Patents, Washington, DC 20231.



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0861-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<b>Complete if Known</b>			
		Application Number	10/072,047		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Filing Date	February 08, 2002		
		First Named Inventor	Cox, et al.		
		Group Art Unit	1655		
		Examiner Name	Unassigned		
Sheet	2	of	3	Attorney Docket Number	UCSF-127CON

RECEIVED  
AUG 08 2002  
TECH CENTER 1600/2800

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
✓		FERRIN, et al. "Selective cleavage of human DNA: RecA-assisted restriction endonuclease (RARE) cleavage", <i>Science</i> (1991) Vol. 254: 1494-1497.	
		GROMPE. "The rapid detection of unknown mutations in nucleic acids", <i>Nature Genetics</i> , (1993) Vol. 5: 111-117.	
		LANDER, et al. "Homozygosity mapping: A way to map human recessive traits with the DNA of inbred children", <i>Science</i> , (1987) Vol. 236: 1567-1570.	
		MASHAL, et al. "Detection of mutations by cleavage of DNA heteroduplexes with bacteriophage resolvases", <i>Nature Genetics</i> , (1995) Vol. 9: 177-183.	
		MILLS, et al., "Electrophoretic Evidence That Single Stranded Regions of One or More Nucleotides Dramatically Increase the Flexibility of DNA," <i>Biochemistry</i> (1994), Vol. 33: 1797-1803.	
		MODRICH. "Mechanisms and biological effects of mismatch repair", <i>Annu. Rev. Genet.</i> , (1991) Vol. 25: 229-253.	
		MYERS, et al. "Nearly all single base substitutions in DNA fragments joined to a GC-clamp can be detected by denaturing gradient gel electrophoresis", <i>N.A.R.</i> , (1985) Vol. 13: 3131-3145.	
		MYERS, et al. "Detection of single base substitutions by ribonuclease cleavage at mismatches in RNA: DNA duplexes", <i>Science</i> , (1985) Vol. 230: 1242-1246.	
		MYERS, et al. "Detection and localization of single base changes by denaturing gradient gel electrophoresis", <i>Meth. Enzym.</i> , (1987) Vol. 155: 501-527.	
		ORITA, et al. "Rapid and sensitive detection of point mutations and DNA polymorphisms using the polymerase chain reaction", <i>Genomics</i> , (1989). Vol. 5: 874-879.	
		ORITA, et al. "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms", <i>P.N.A.S.</i> , (1989) Vol. 86: 2766-2770.	
✓		PARKER, et al. "Repair of DNA heteroduplexes containing small heterologous sequences in <i>Escherichia coli</i> ", <i>P.N.A.S.</i> , (1992) Vol. 89: 1730-1734.	
2		PERRY, et al. "Hydrolink gels: A rapid and simple approach to the detection of DNA mutations in thromboembolic disease", <i>Clin Pathol.</i> , (1992) Vol. 45: 158-160.	

Examiner Signature		Date Considered	8/26/02
-----------------------	--	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box →

AUG 05 2002

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/072.047
		Filing Date	February 08, 2002
		First Named Inventor	Cox, et al.
		Group Art Unit	1655
		Examiner Name	Unassigned
		Attorney Docket Number	UCSF-127CON
Sheet	3	of	3

+

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
2		RAPOSA, et al., "Some Features of Base Repair Mismatch and Heterology Repair in Escherichia coli," <i>Genetics</i> (1987), Vol. 117: 381-390.	
		RISCH, "Linkage strategies for genetically complex traits: The power of affected relative pairs", <i>Am. J. Hum. Genet.</i> , (1990) Vol. 46: 229-241.	
		SANDA, et al. "Genomic analysis I: Inheritance units and genetic selection in the rapid discovery of locus linked DNA markers", <i>Nucleic Acids Res.</i> , (1986) Vol. 14: 7265-7282.	
		SHEFFIELD, et al. "Attachment of a 40-base-pair G+C-rich sequence (GC-clamp) to genomic DNA fragments by the polymerase chain reaction results in improved detection of single-base changes", <i>P.N.A.S.</i> (1989), Vol. 86: 231-236.	
		WAGNER, et al. "Repair tracts in mismatched DNA heteroduplexes", <i>P.N.A.S.</i> , (1976) Vol. 73: 4135-4139.	
		WANG, et al. "Large-scale identification, mapping, and genotyping of single-nucleotide polymorphisms in the human genome", <i>Science</i> , (1998), Vol. 280: 1077-1082.	
		WHITE, et al. "Detecting single base substitutions as heteroduplex polymorphisms", <i>Genomics</i> , (1992), Vol. 12: 301-306.	
2		YOUIL, et al. "Screening for mutations by enzyme mismatch cleavage with T4 endonuclease VII", <i>P.N.A.S.</i> , (1995) Vol. 92: 87-91.	

Examiner Signature		Date Considered	8/26/02
--------------------	---	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**